

- #13
1. PRODUCT NAME, NUMBER, SYNONYM: PR-1431-G, TYPE I (Polysulfide sealing compound)
  2. MANUFACTURER'S NAME: Products Research and Chemical Corporation FEB 08 1982
  3. MANUFACTURER'S ADDRESS: 2919 Empire Ave., Burbank, Cal. 91504
  4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Wipe up excess with rags and clean area with a ketone or aromatic solvent; wash down with water.
  5. TRANSPORTATION AND STORAGE REQUIREMENTS: Store in closed containers in sheltered area; below 80°F
  6. FIRST AID TREATMENT:
    - A. SKIN CONTACT: Wash thoroughly with soap and water.
    - B. EYE CONTACT: Wash out thoroughly with large amounts of water; call a physician
    - C. INHALATION: Remove to fresh air
    - D. ANTIDOTE IN CASE OF SWALLOWING: As for calcium dichromate
  7. PHYSIOLOGICAL PROPERTIES:
    - A. ACUTE ORAL TOXICITY: Moderately hazardous
    - B. LOCAL EFFECTS UPON EYES: Irritation
    - C. LOCAL EFFECTS UPON SKIN: Irritation; dermatitis
    - D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Moderately hazardous
    - E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Toluene odor
    - F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS):
  8. CHEMICAL AND PHYSICAL PROPERTIES:
    - A. SPECIFIC GRAVITY (WATER = 1) 1.4 - 1.5
    - B. VAPOR DENSITY (AIR = 1)
    - C. VAPOR PRESSURE mm Hg AT 25°C.
    - D. pH
    - E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: Attacks plexiglas and lacquers; swells rubber.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? No

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

Base	COMPOUND	Accelerator	<del>PERCENT</del>
Polysulfide polymer	50 - 70%	Inert pigments	10 - 30%
Inert pigments	20 - 30%	Inorganic dichromate	40 - 60%
Plasticizers & Resins	< 7%	Water	10 - 30%
Soluble chromate	< 5%		
Organic acid	trace		
Toluene	5 - 10%		

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Avoid prolonged skin contact. Avoid prolonged or repeated breathing of vapor. Keep away from heat, sparks and open flame.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Use with adequate ventilation. Rubber gloves or protective hand creams may be used.

11. A. FLASHPOINT °F: CLOSED CUP >100; OPEN CUP \_\_\_\_\_; IF F.P. CHANGES DURING EVAPORATION GIVE DATA: \_\_\_\_\_

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER 1; UPPER 7

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES \_\_\_\_\_; NO XX

D. FIRE POINT °F \_\_\_\_\_; AUTO IGNITION TEMPERATURE °F \_\_\_\_\_

E. VAPOR DENSITY 3.1

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? Toxic fumes

G. SUITABLE EXTINGUISHING AGENTS: Dry chemical, foam, CO<sub>2</sub>

12. INFORMATION FURNISHED BY: Fritz H. Yonkers

TITLE: Methods & Standards Administrator

COMPANY: Products Research & Chemical Corporation

ADDRESS: 2919 Empire Ave., Burbank, Cal. 91504

DATE: 8-25-70

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.